

MS/MS Parameters of Pesticides

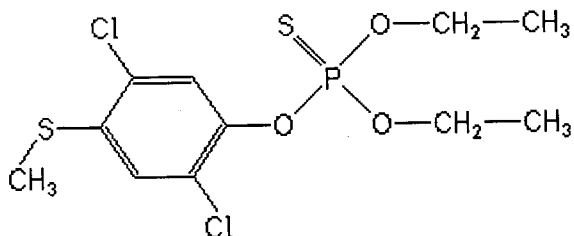
Analyte: Chlorthiophos

CAS No.: 60238-56-4

Formula: C₁₁H₁₅Cl₂O₃PS₂

Molecular mass (lowest isotopes): 359,96 amu

Structure:



Ionisation: ESI +

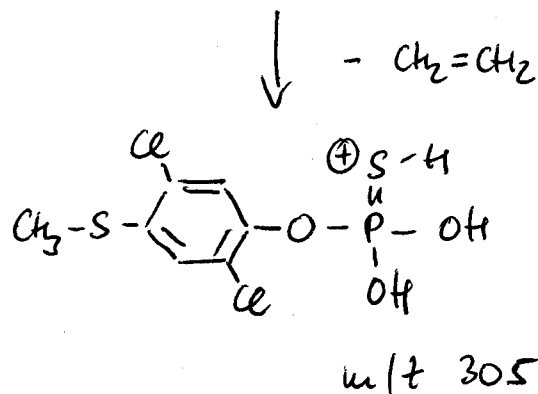
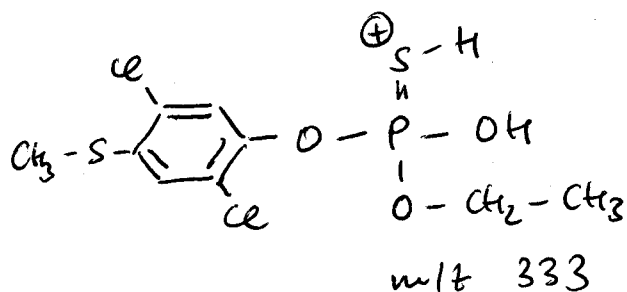
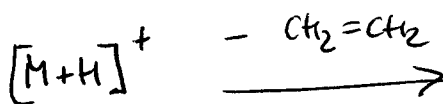
Quasimolecular ion: 360,9 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

| Transition | 360,9 → 305,0 | 360,9 → 333,0 |
|---|---------------|---------------|
| Declustering potential (DP)*) | 41 V | 41 V |
| Focusing potential (FP) | 340 V | 370 V |
| Entrance potential (EP) | 10,0 V | 10,0 V |
| Collision cell entrance potential (CEP) | 22 V | 24 V |
| Collision energy (CE) | 21 V | 17 V |
| Collision cell exit potential (CXP) | 16 V | 18 V |

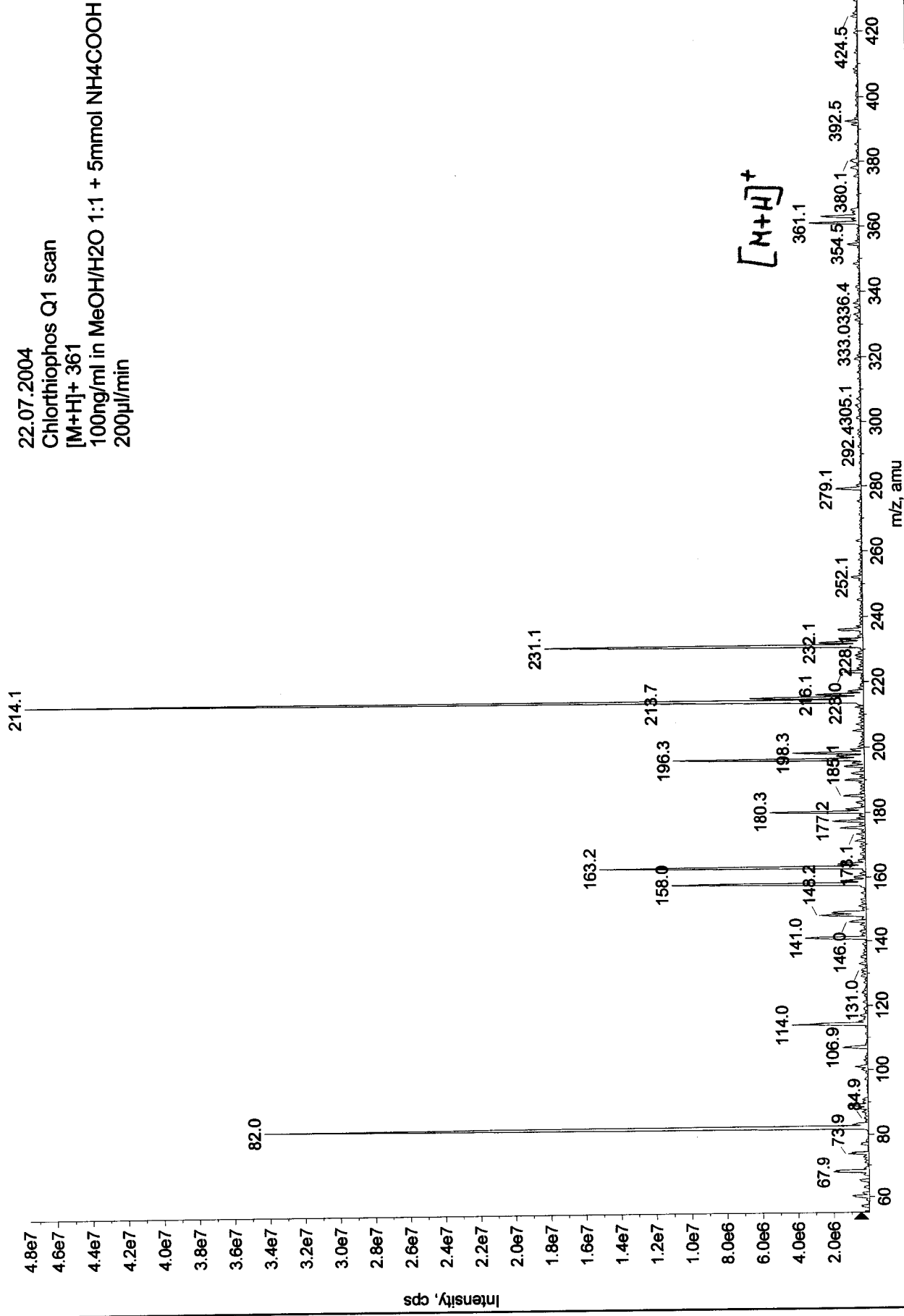
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation



Max. 4.8e7 cps

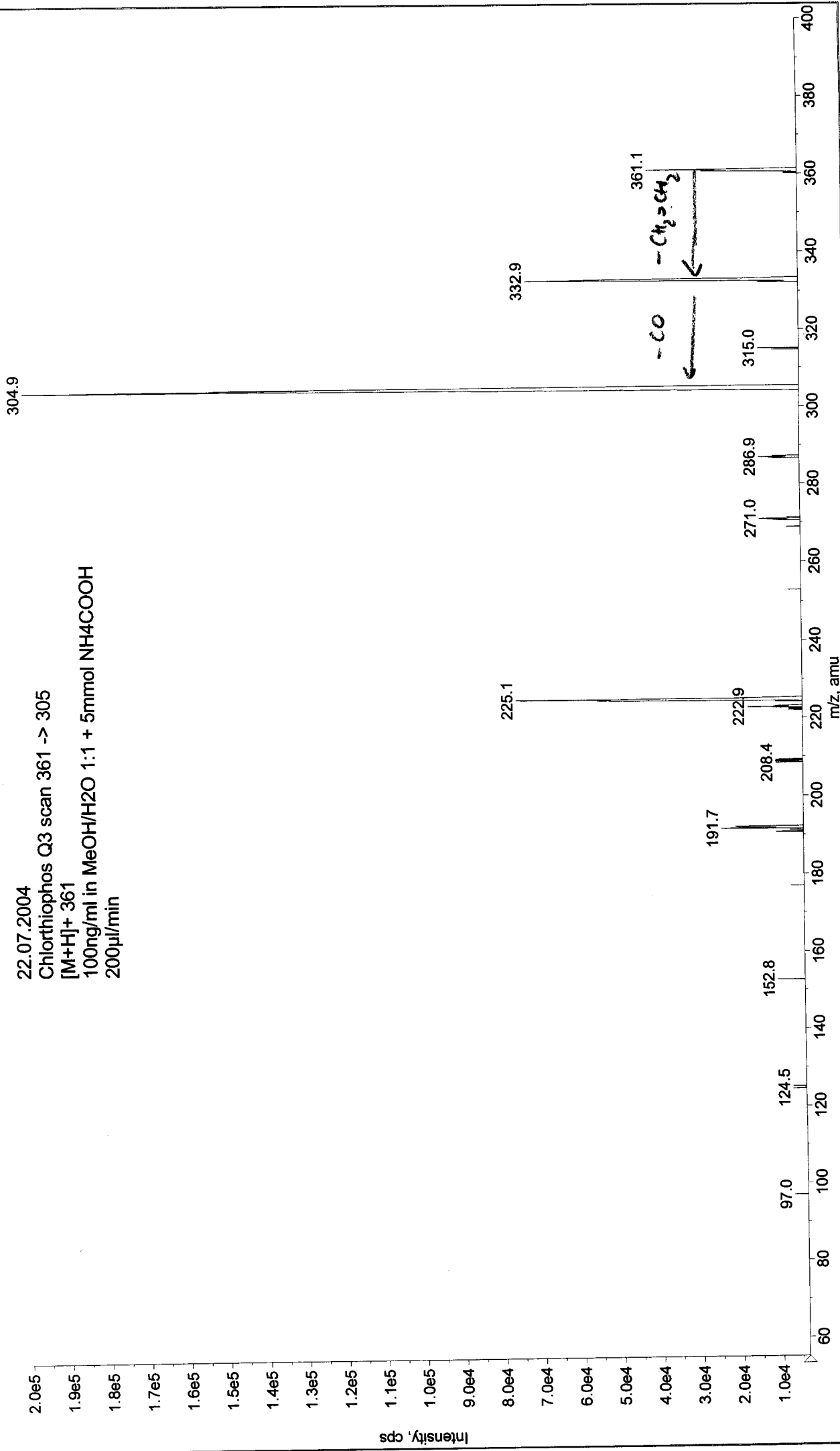
■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722065649.wiff (Turbo Spray)



+MS2 (361.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722065907.wiff (Turbo Spray)

Max. 2.0e5 cps

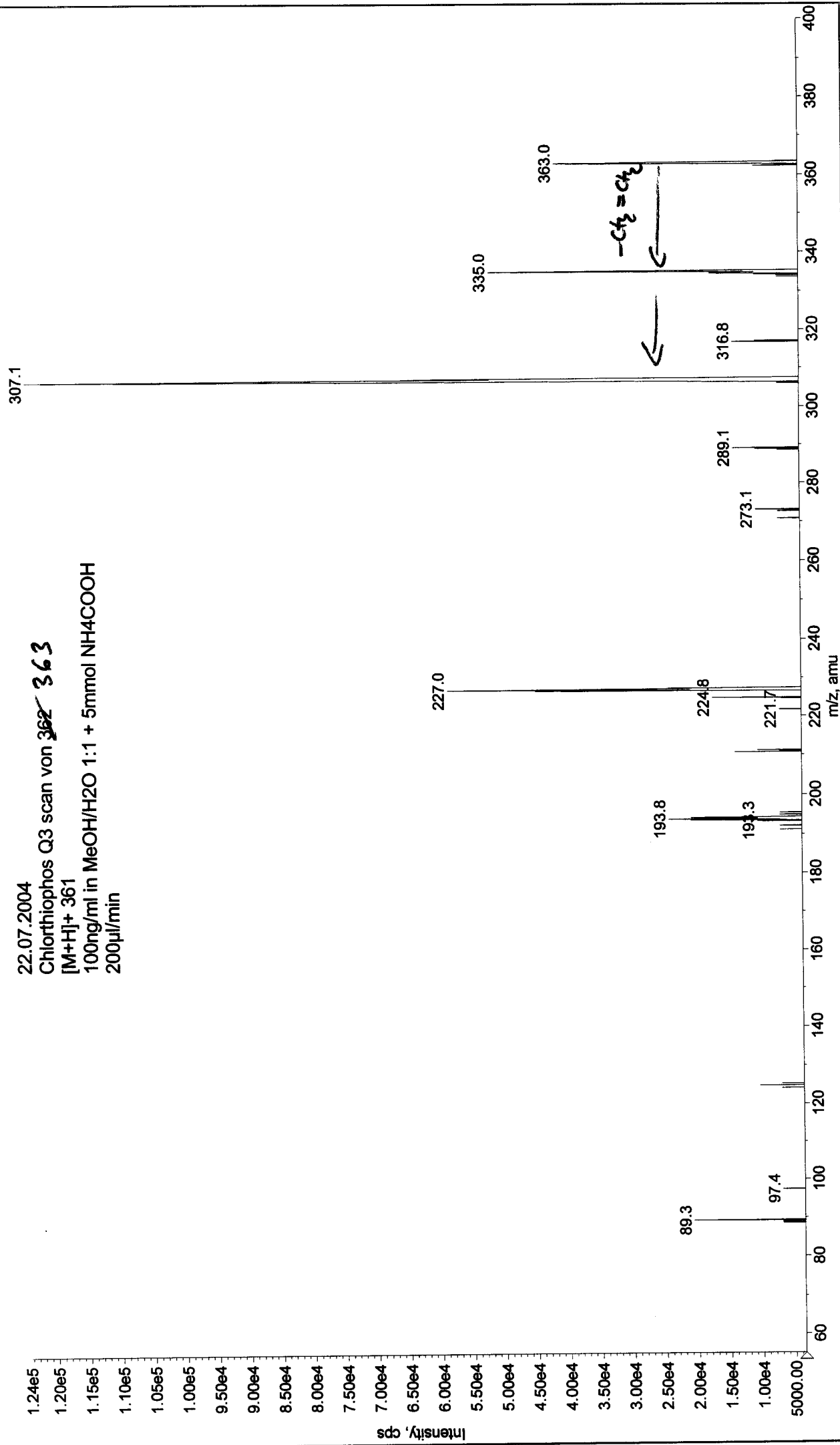
22.07.2004
Chlorthiophos Q3 scan 361 -> 305
[M+H]⁺ 361
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Max. 1.2e5 cps

+MS2 (363.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722070042.wiff (Turbo Spray)

22.07.2004
Chlorthiophos Q3 scan von 362 363
[M+H]⁺ 361
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 14:27:18
Printing Date: Wednesday, July 28, 2004

Acq Time: 14:25
Acq Date: Wednesday, July 28, 2004
Acq File: MT20040728142539.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

